

Claims 1-8 and 10-17 are pending and under consideration.

Ghori discusses a receiver receiving a degraded signal through a link because the received signal is composed of a number of signals that correspond to the same transmitted signal but reach the receiver through a variety of paths. That is, such a link does not offer protection against signal degradation due to the multi-path phenomena (column 2, lines 16-24 of Ghori). To solve the above problem of the prior art, Ghori discusses a spread spectrum transceiver utilizing spread spectrum modulation to modulate signals (column 7, lines 14-15 of Ghori). This distribution pattern is based on either direct sequence coding or frequency hopping. In frequency hopping, a transmitter transmits at a particular frequency for a short time interval, then switches to another frequency for another short interval, and so on. Only the receiver knows the random frequency selection sequencing (column 7, lines 20-32 of Ghori).

In the October 1 Action, the Examiner asserts that the computer 415 of Ghori ^{Ghori 1 page 6-6e} "inherently" contains a storage device for storing files that were downloaded or were created locally as a storage device (refer to the last paragraph beginning on page 2, the last paragraph beginning on page 3, and the last paragraph beginning on page 5 of the Action). The Examiner is respectfully requested to support the Examiner's assertion of inherence by affidavit or withdraw same.

Hamalainen relates to a TDMA (time division multiple access) system (refer to the Abstract, col. 3, lines 24-37, col. 4, lines 64-67).

Spaur discloses a mobile wireless communication system used with the Internet.

Also in the October 1 Action, the Examiner takes "official notice" of the use of messaging programs for sending and receiving messages that are directed to a certain users IP address are well known within the art (refer to lines 5-7 of page 6 of the Action, lines 18-20 of page 7 of the Action). In addition, the Examiner takes "official notice" that the use of a computer to create, edit and send e-mails as well known within the art (refer to lines 1-2 on page 7 of the Action).

The Examiner is respectfully requested to cite references disclosing same, or withdraw the Examiner's "official notice".

The combination of Ghori, and Hamalainen would be a spread spectrum transceiver utilizing spread spectrum modulation to modulate signals, in a TDMA system.

The combination of Ghori, Hamalainen, and Spaur would be a spread spectrum transceiver utilizing spread spectrum modulation to modulate signals in which a mobile wireless communication system is involved, in a TDMA system.

In contrast to the foregoing references relied upon, either alone or in combination, the present invention automatically selects a broadcasting channel starting from a lower-number channel when there are a plurality of free channels (please refer to the second paragraph beginning on page 12 of the present Specification).

Moreover, Hamalainen in cols. 7-9 discloses a bit map based upon a random number generated regarding channels and packed data.

Each of independent claims 1, 4, and 6 recites (using the recitation of claim 1 as an example) "select a free channel starting from a lower-number channel".

None of the foregoing references relied upon, either alone or in combination, appears to discuss or suggest same.

Moreover, dependent claims 2, 3, 5, 7, and 8 recite patentably distinguishing features of their own. For example, claim 2/1 recites "a cipher processing unit, wherein the file read from said file storing unit is encrypted by said cipher processing unit and thereafter transmitted from said transmitting unit".

In addition, new claims 10-17 patentably distinguish over the foregoing references relied upon. In the present invention, a transmitter displays a plurality of free channels when the transmitter selects the plurality of free channels.

None of the foregoing references relied upon, either alone or in combination, discloses or suggests "a channel displaying unit displaying the plurality of free channels", as recited in each of new independent claims 10, 13, and, and 15.

None of the foregoing references relied upon, either alone or in combination, appears to discuss or suggest same.

Moreover, the dependent claims 11, 12, 14, 16, and 17 recite patentably distinguishing features of their own. For example, claim 11/10 recites "a cipher processing unit, wherein the file read from said file storing unit is encrypted by said cipher processing unit and thereafter transmitted from said transmitting unit".

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.


Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: July 31, 2003

By: 
Gene M. Garner II
Registration No. 34,172

700 Eleventh Street, NW, Suite 500
Washington, D.C. 20001
(202) 434-1500



VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please AMEND the following claims:

1. (TWICE AMENDED) A local area information terminal comprising:
a file storing unit storing a file previously created;
a channel retrieving unit retrieving a free channel among broadcasting channels allocated to respective frequency bandwidths;
a channel selecting unit making, when there exist a plurality of free channels, a transmitter select a free channel starting from a lower-number channel; and
a transmitting unit transmitting the file as broadcasting data stored in said file storing unit to within a local area via the selected channel.
2. (AS ONCE AMENDED) A local area information terminal according to claim 1, further comprising a cipher processing unit,
wherein the file read from said file storing unit is encrypted by said cipher processing unit and thereafter transmitted from said transmitting unit.
3. (AS ONCE AMENDED) A local area information terminal according to claim 1, wherein the file is a file in an HTML format.
4. (TWICE AMENDED) A local area information terminal selectively receiving broadcasting information transmitted via a plurality of channels within a local area, said terminal comprising:
a retrieving unit retrieving a channel through which the broadcasting data can be received, said broadcasting data being transmitted via a channel of the plurality of channels selected starting with a lower-number channel from among a plurality of free channels;

a selecting unit selecting, when the broadcasting data different from each other are being transmitted via the plurality of channels, a receiving channel;

a displaying unit displaying the broadcasting data received by the selected channel;

an identifier storing unit extracting an identifier for specifying a transmitter out of the broadcasting data and storing the identifier;

a mail editing unit creating a return message to the transmitter on the basis of the transmitter identifier read from said identifier storing unit; and

a returning unit returning the mail created by said mail editing unit.

5. (AS ONCE AMENDED) A local area information terminal according to claim 4, further comprising a cipher processing unit, if the broadcasting data received have been encrypted, decoding the encrypted data by decrypting the same data.

6. (TWICE AMENDED) A local area information terminal capable of transmitting and receiving broadcasting data within a local area, comprising:

a file storing unit storing a file previously created;

a channel retrieving unit retrieving a free channel among broadcasting channels allocated to respective frequency bandwidths;

a transmitting unit transmitting the file as broadcasting data stored in said file storing unit to within a local area via the retrieved channel, said transmitting unit selecting, when there exist a plurality of free channels, a free channel starting from a lower-number channel;

a retrieving unit retrieving a channel through which the broadcasting data can be received within the local area;

a selecting unit selecting, when the broadcasting data different from each other are being transmitted via the plurality of channels, a receiving channel; and

a displaying unit displaying the broadcasting data received via the selected channel.

7. (AS ONCE AMENDED) A local area information terminal capable of transmitting and receiving broadcasting data within a local area according to claim 6, further comprising:

a mail editing unit creating a return mail to a transmitter of the broadcasting data received; and

a returning unit for returning the return mail.

8. (AS ONCE AMENDED) A local area information terminal capable of transmitting and receiving broadcasting data within a local area according to claim 7, further comprising

[a] an identifier storing unit extracting an identifier for specifying a transmitter out of the broadcasting data and storing the identifier,

wherein said mail editing unit sets a return destination of the return mail to the transmitter on the basis of the transmitter identifier read from said identifier storing unit.

Please ADD the following new claims 10-17:

10. (NEW) A local area information terminal comprising:

a file storing unit storing a file previously created;

a channel retrieving unit retrieving a free channel among broadcasting channels allocated to respective frequency bandwidths;

a channel displaying unit displaying, when there exists a plurality of free channels, the plurality of free channels retrieved by the channel retrieving unit;

a channel selecting unit making a transmitter select a free channel from the plurality of free channels; and

a transmitting unit transmitting the file as broadcasting data stored in said file storing unit to within a local area via the selected channel.

11. (NEW) A local area information terminal according to claim 10, further comprising a cipher processing unit,

wherein the file read from said file storing unit is encrypted by said cipher processing unit and thereafter transmitted from said transmitting unit.

12. (NEW) A local area information terminal according to claim 10, wherein the file is a file in an HTML format.

13. (NEW) A local area information terminal selectively receiving broadcasting information transmitted via a plurality of channels within a local area, said terminal comprising:

- a retrieving unit retrieving a channel through which the broadcasting data can be received;

- a channel displaying unit displaying, when the broadcasting data different from each other are being transmitted via the plurality of channels, the plurality of channels retrieved by the retrieving unit;

- a selecting unit selecting a receiving channel from the plurality of channels;

- a displaying unit displaying the broadcasting data received by the selected channel;

- an identifier storing unit extracting an identifier for specifying a transmitter out of the broadcasting data and storing the identifier;

- a mail editing unit creating a return message to the transmitter on the basis of the transmitter identifier read from said identifier storing unit; and

- a returning unit returning the mail created by said mail editing unit.

14. (NEW) A local area information terminal according to claim 13, further comprising a cipher processing unit, if the broadcasting data received have been encrypted, decoding the encrypted data by decrypting the same data.

15. (NEW) A local area information terminal capable of transmitting and receiving broadcasting data within a local area, comprising:

- a file storing unit storing a file previously created;

- a channel retrieving unit retrieving a free channel among broadcasting channels allocated to respective frequency bandwidths;

a transmitting unit transmitting the file as broadcasting data stored in said file storing unit to within a local area via the retrieved channel;

a retrieving unit retrieving a channel through which the broadcasting data can be received within the local area;

a channel displaying unit displaying, when the broadcasting data different from each other are being transmitted via the plurality of channels, the plurality of channels retrieved by the retrieving unit;

a selecting unit selecting a receiving channel from the plurality of channels; and

a displaying unit displaying the broadcasting data received via the selected channel.

16. (NEW) A local area information terminal capable of transmitting and receiving broadcasting data within a local area according to claim 15, further comprising:

a mail editing unit creating a return mail to a transmitter of the broadcasting data received; and

a returning unit for returning the return mail.

17. (NEW) A local area information terminal capable of transmitting and receiving broadcasting data within a local area according to claim 16, further comprising

an identifier storing unit extracting an identifier for specifying a transmitter out of the broadcasting data and storing the identifier,

wherein said mail editing unit sets a return destination of the return mail to the transmitter on the basis of the transmitter identifier read from said identifier storing unit.